

**LEGISLATIVE SERVICES AGENCY  
OFFICE OF FISCAL AND MANAGEMENT ANALYSIS**

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**ADMINISTRATIVE RULE  
FISCAL IMPACT STATEMENT**

**PROPOSED RULE:** 01-238

**DATE PREPARED:** Aug 15, 2002

**STATE AGENCY:** Department of Environmental Management

**DATE RECEIVED:** Jul 10, 2002

**FISCAL ANALYST:** Bernadette Bartlett

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**Digest of Proposed Rule:** This rule amends the rules for the application of a biosolid, industrial waste products, pollutant-bearing water in 327 IAC 6.1. Changes affect the small-quantity generator notification program for non-domestic pollutant-bearing water land application programs; broadening the agricultural lime substitute notification program to include liquid waste products; delineation of hybrid land application permit program; molybdenum concentration and loading standards; standard detection limits for seven heavy metals; clarification of nutrient monitoring requirements and recognition of presampling for nutrients in some cases; deletion of the suspended solids limits and monitoring requirement for certain stabilization pond systems when disinfection is not required; recognition of alternative methods of pollutant-bearing water land application to include subsurface methods; clarification of storage structure applicability and requirements; elimination of seasonal high water table restrictions during land application; and the possible reduction in the monitoring frequencies.

**Governmental Entities:**

State: Amendments will be administered by existing solid waste permit staff. Changes will result in no increase in expenses. There are no unfunded mandates placed upon any state agency by the proposed changes.

Local: Local governments that land apply biosolid, industrial waste product and pollutant-bearing water may see an increase or decrease in expenditures, depending upon the facilities. Costs and savings listed under "Regulated Entities" may apply to local units. There are no unfunded mandates placed on local units by the changes.

**Regulated Entities:** Changes apply to persons or facilities who prepare or apply biosolid, industrial waste product and pollutant-bearing water for land application or marketing and distribution in Indiana. The changes will result in an overall estimated savings of \$550,000 to regulated entities. Not all costs or savings will apply to each facility.

With respect to the small-quantity generator notification program for land application of non-domestic pollutant-bearing water, two or three facilities existing would not longer have to apply for a permit. Savings to the facilities is estimated at \$2,000 per year per facility.

Broadening the agricultural lime substitute notification program to include liquid waste products would also

save two or three facilities approximately \$2,000 per year per facility.

Some facilities may not be able to land apply on certain locations because of the proposed changes in molybdenum concentration and loading standards. These facilities may have to send their wastes to a landfill at an estimated cost of \$1,200 per year per facility. If three facilities required a landfill, expenses would be \$3,600.

Deletion of the suspended solids limits and monitoring requirement for certain stabilization pond systems when disinfection is not required would save one facility construction costs for algae removal of \$500,000.

Elimination of seasonal high water table restrictions during land application would provide a savings of time and salary for land appliers. Appliers would save approximately 1,000 staff hours per year, which would be needed for borings during the seasonal high water table restrictions. Approximately 211 sites had land application applied over approximately 13,000 acres during seasonal high water table restrictions. If 520 borings would be needed at two hours per boring, roughly 1,000 hours of staff time would be required. If wages were \$20 per hour, the overall savings for appliers would be \$20,000 per year.

Changes in monitoring frequency would save approximately \$30,000 per year.

**Information Sources:** Jeff Harmon, Land application program; City of Bourbon, application for variance; Lynn West, Office of Land Quality, 317.232.3593.